

[Patent claims]

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1. An intraocular lens with an optical lens part, which has a central lens area and at least one further annular lens area surrounding said central lens area, characterized in that the central lens area (2) and the at least one annular lens area (3) form at least one common focus, and in that the annular lens area (3) has concentric annular zones, in which the difference in path length of the optical path between adjacent zones is an integral multiple of $n = 2$ or more of the design wavelength.
 2. The intraocular lens as claimed in claim 1, characterized in that the difference in path length is set by the refractive index or the material and/or the geometry of the respective zone.
 3. The intraocular lens as claimed in claim 1 or 2, characterized in that the annular zones are formed in a sawtooth-like manner.
 4. The intraocular lens as claimed in one of claims 1 to 3, characterized in that the annular zones are provided on the front side and/or rear side of the lens body (1).
 5. The intraocular lens as claimed in one of claims 1 to 4, characterized in that a refractive component (2) is formed in the central lens area (2).

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6. The intraocular lens as claimed in one of claims 1 to 5, characterized in that the optical lens part has an aspherical curvature profile in the meridian section.

7. The intraocular lens as claimed in one of claims 1 to 6, characterized in that the annular area (3) with the concentric zones having the different path lengths is arranged in the lens part in which the aspherical curvature profile has an effect.

8. The intraocular lens as claimed in one of claims 1 to 7, characterized in that the annular lens area (3) has a width of approximately 0.8 mm to 0.9 mm, in particular 0.835 mm.

9. The intraocular lens as claimed in one of claims 1 to 8, characterized in that the central lens area (2) has a diameter of approximately 4 mm.

10. The intraocular lens as claimed in one of claims 1 to 9, characterized in that the outer lens edge (4) has an approximately semicircular cross section.

11. The intraocular lens as claimed in one of claims 1 to 10, characterized in that the central lens area (2) has a smooth surface.

12. The intraocular lens as claimed in one of claims 1 to 10, characterized in that, for forming a bifocal lens, additional diffractive zones (7) are provided on the optical lens part.

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14. The intraocular lens as claimed in one of claims 1 to 13, characterized in that the difference in path length between the adjacent diffractive zones (7) is a fraction of the design wavelength.

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